

CV RICCARDO MINCIARDI

Riccardo Minciardi was born in Catania, Italy, in 1951. He graduated in Electronic Engineering *cum laude* in 1975 at the University of Genoa. In 1984 he has been one of the founders of the Department of Communications, Computer, and System Sciences (DIST), at the same University. Since 1994 he has been Full Professor of System and Control Engineering. From 1996 to 2008 he has been also with the Inter-University Research Center in Environmental Monitoring (CIMA). Since 1999 he has been also with the Interuniversity Center for Integrated Systems in Marine Environment (ISME), operating in Genova.

Since 1978, he has taught several courses in the area of System Engineering and Automatic Control.

He has been member of the Teaching Boards of several Ph. D. Courses. He has been (or is presently) the tutor of about 20 Ph.D. Students.

From 1998 to 2004, he was the Head of the Teaching Board in Computer Engineering, at the University of Genova. From 2001 to 2003, he was Deputy Director of DIST. From 2002 to 2005, and from 2012 to present he has been a member of the Italian National Committee for Forest Fire Risk (within the Italian Department for Civil Protection).

Since 2007 to 2012 he was the Head of DIST. Since 2012 he has been one of the members of the new Department of Informatics, Bioengineering, Robotics and System Engineering (DIBRIS) at the University of Genoa, and since the same date he has been a member of the Senate of the University.

He has been responsible for several research projects. In particular:

- he was the national coordinator of research projects funded by the Italian Ministry for University and Scientific Research in the area of Manufacturing Processes and Supply Chain Management;
- he took part, from 1990 to 1997, in the Special Project "Trasporti 2" of the Italian National Research Council, as the coordinator of the theme "Design of metropolitan transportation systems, and traffic management";
- from 1991 to 2001, he was responsible for the Research Unit at DIST (and at CIMA) funded by the National Group for Defense from Hydro-geological Disasters (of the Italian National Research Council), whose research activity dealt with the design and the realization of Decision Support Systems for Risk Forecasting and Management;
- in 2002, he was responsible for the Special Research Project funded by The Italian Department for Civil Protection "Design of a national territorial information system for the operational management of forest fire risk";
- he was responsible for several research projects, funded by the National Research Council, in the areas of process control and production engineering;
- he was responsible for several research contracts with Local Authorities and Companies, as regards research themes relevant to the management of traffic networks, logistic systems, and environmental systems;
- he was responsible of the Research Unit at DIST within the Project STORM '93 funded by the European Union;

- he was responsible of the "Academic Node" at the University of Genova of the Network of Excellence in Intelligent Control and Integrated Manufacturing Systems, within the Program ESPRIT of European Union;
- he was responsible of research activities within Projects, funded by European Union, in connection with INTERREG Programs, relevant to issues concerning monitoring and analysis of territorial risks, optimization of decisions for emergency management, territorial planning and transportation system design;
- he was responsible of the Research Unit at CIMA involved in the Project (IP) EURORISK/PREVIEW (Prevention, Information, and Early Warning - Preoperational Services to Support the Management of Risks) funded by the European Union.

In addition, he has also worked within research contracts with private companies, and research programs funded by the European Union, concerning the development of tools for planning and control of hazardous material transportation.

His research activity was first oriented towards the design and the optimization of digital and adaptive process control systems. Then, he worked in the areas concerning decentralized control systems, and the application of control methodologies to telecommunication networks. Since about 20 years, his main research interests have been those relevant to: a) analysis, optimization and control of manufacturing, logistic and transportation systems, b) the management of environmental systems and risks. Since a few years he has also been working in the area of modeling, optimization and control of energy systems, with particular reference to smart grids.

He is the author of more than 50 papers on international scientific journals, and of several book chapters in English.